Incident: Date:	Multiple H2S Exposures at DCU 4/2/2012	EPA Region 10 Deemed Releasable	Completion Date	Action Item No.		
Recommendations / Corrective Actions from the Investigation Report (see Tab name for investigation reference): H2S Leak - Barricade Response						
1.	Develop training for operations to provide guidance and practice on how to respond to a leak (barricades, monitoring, etc) and implement	_	12/11/2013	643906		
	ed Area Monitor Alarms Provide list of H2S monitors that need warning signs installed to OMS per area.	Assigned to: Mike Russell Due Date: 2/10/13	1/15/2013	643908		
3.	Order signs and install at each H2S monitor location. Sign says "H2S may still be in area when alarm clears".	Assigned to: OMS for VPS/DCU, FCCU/Poly, HTU1/2 Due Date: 10/10/13	5/10/2013	643910		
Leak Pa	th for H2S out of 15K1 Validate procedure with supporting training and field signage that					
4.	ensures that 15K1 is de-pressured, purged, blocked in and verified before the seal oil system is shutdown.	Assigned to: Jeff Solomon Due Date: 7/12/13	7/8/2013	643913		
5.	Replace the 2nd stage discharge block valve that was leaking by during this incident.	Assigned to: Marshall Basham Due Date: 7/12/13	1/21/2013	643914		
15K1 lu 6.	be oil reservoir vent Reroute vent on 15K1 lube oil reservoir to safe location.	Assigned to: Marshall Basham Due Date: 7/12/13	1/21/2013	643915		
7.	Evaluate sizing and location of 15K1 lube oil reservoir vent in the event of an overpressure of the reservoir by 15K1 seal leak. Issue construction package as required. Create new FOUNTAIN item to track installation to completion to be assigned to unit OMS.	Assigned to: Guy Masters Due Date: 12/12/13	12/11/2013	643917		

Lateral I	Recommendations			
	Discuss work variance issuance at the RLT Learning Session for this			
8.	investigation.		5/17/2012	
	Create notification to engineer safe access to 15K1 block valves durin	g		
	2017 DCU Turnaround and track to completion. Consider replacing			
	single block with double block and bleed and relocating the valves to a Assigned to: Marshall Basham			
9.	different location.	Due Date: 12/12/17	1/21/2013	643920
Commu	nication & Auditing			
		Assigned to: Goal Zero Governance		
	Consider leading an engagement conversation around working at	Team – Sean Cornett		
10.	heights issue with 15K1 valve; package drafted.	Due Date: 12/12/13	12/11/2013	643922
	Create communication package about causal findings to be shared			
11.	with plant by email. (COMPLETED)			
	Evaluate 15K1 isolation procedure knowledge in organization			
	(operators, STLs, and OMS). Not looking to see if procedure exists;			
	looking to see if operators understand issue with preventing H2S			
	contamination of lube oil by line up procedure. Feedback to unit	Assigned to: Jeff Solomon		
12.	trainer and operators as appropriate.	Due Date: 3/1/15	7/8/2013	643926
	Freehoods are restant to south and are affine are free and are and are are are also de-			
	Evaluate operator knowledge of required and recommended			
	response protocols to H2S leaks (including barricading practices) in	Assistant data Control Councit		
4.2	units with high H2S process streams (e.g., DCU, WWS). Feedback to	Assigned to: Sean Cornett	2/20/2045	642020
13.	area managers and design of training as appropriate.	Due Date: 3/1/15	2/28/2015	643929